

even those writings which it would be most appropriate to notice, the Editor of the Record has not withheld from publication such articles as came to hand, even though of minor importance. He will in the future preserve these in manuscript, indexed as well as may be, for reference, and publish the record only of the more important articles. Should means, from sources yet unknown, be afforded for the presentation of a complete work, none would appreciate the value of it more than he. In order to perfect this record, the editor respectfully requests that copies of publications containing entomological articles may be sent by the authors or the publishers, or by friends of *PSYCHE*, to the Library of the CAMBRIDGE ENTOMOLOGICAL CLUB, where they will be at the disposition of the subscribers to *PSYCHE*, throughout North America, under the rules of the CLUB.

B: PICKMAN MANN.
GEORGE DIMMOCK.

PROCEEDINGS OF SOCIETIES.

CAMBRIDGE ENTOMOLOGICAL CLUB.

12 JAN. 1883. — The 89th meeting of the Club, the sixth annual meeting since the incorporation of the Club, was held at 16 Quincy St., Cambridge, 12 Jan. 1883. Nine persons (eight of whom were members) were present.

The Secretary stated that Miss Cora H. Clarke had been transferred, 10 Jan. 1883, at her own request, from the list of associate members to the list of active members.

The following persons were elected to active membership: H: Savage, of Boston, Mass.; Prof. Stephen Alfred Forbes, of Normal, Ill.; W: Hague Harrington, of Ottawa, Canada; Prof. G: Macloskie, of Princeton, N. J.; Prof. Francis Huntington Snow, of Lawrence, Kansas.

The annual reports of the Secretary, of the Treasurer and of the Librarian were read and approved, the approval of the Treasurer's report being subject to the action of the Auditing Committee.

A motion was carried "that the Club re-

sume the publication of *PSYCHE*, beginning with no. 105, of vol. 4 (the no. for Jan. 1883), and that, with the exceptions herein-after stated, vol. 4 be published in similar style, typographically and otherwise, as vol. 3.

"Exception 1. That the price of subscription be raised to two dollars per year, five dollars per volume of three years, and that subscribers can have, after payment of their subscriptions, if they so desire, in addition to their regular copy, a copy printed on one side of the paper, for pasting the slips of the Bibliographical Record.

"Exception 2. That the editors to be elected be recommended to make the Bibliographical Record more current, if possible, and to omit publishing the record of notes and items of minor value which are contained in the popular and daily press."

Other changes proposed in *PSYCHE* were, after some discussion, left to the discretion of the editors.

The following officers were elected for the ensuing year: President, B: P. Mann; Secretary, G: Dimmock; Treasurer, S: Henshaw; Librarian, C. C. Eaton; members at large of the Executive Committee, R. Hayward and E: L. Mark.

A motion was carried to elect a managing and an associate editor of *PSYCHE*, these editors to have full power to add to their number. B: P. Mann was elected managing editor, and G: Dimmock associate editor, for the ensuing year.

The retiring President, Mr. S: H. Scudder, delivered his address, entitled "On mesozoic cockroaches." The address was a general review of what is known of cockroaches of this age and a comparison of their forms with other fossil and living forms. The address was illustrated with many figures and with numerous specimens of fossils.

Mr. W: Trelease communicated (by the Secretary) the following note:

"At the November meeting of the Club, in 1881, I showed a specimen of ant architecture which was further described in *PSYCHE* for Feb. 1882. At the time this was written I had forgotten that Mr. Walsh has recorded

(Pract. entom., v. 2, p. 40) cases constructed by *Myrmica lineolata*? Say over an aphid on *Cornus stolonifera*, and by a *Formica* over an aphid on *Salix*. A case of the same kind on a species of alder is recorded by Mr. Win. Couper as occurring near Toronto, in Canada. Lubbock (Scientific lectures, p. 71) states that "sometimes the ants even build covered ways up to and over the aphides, which, moreover, they protect from the attacks of other insects."

Mr. J: G. Jack stated that he had seen *Vanessa antiopa*, with unrolled proboscis, apparently sucking the sweet excretion about aphides, and had noticed similar actions in *Limenitis dissipus* and *L. arthemis*.

Mr. A. F. Foerste communicated (by Mr. W: Trelease and the Secretary) a note concerning the habits of *Alaus ocellatus*. This note chiefly described the habit of feigning death and the reluctancy to spring in this species of *clateridae*. Mr. G: Dimmock said he had noticed that *A. ocellatus* disliked to spring.

Mr. S: H. Scudder spoke of some specimens of lepidoptera, in different stages, which were for sale by Dr. W: Wittfeld, of Georgiana, Brevard Co., Fla.

Mr. S: H. Scudder said, in reply to a question, that all *hesperidae* spin light cocoons, and that a few other butterflies allied to the *hesperidae* spin delicate cocoons. From these cocoon-spinning forms there is a gradual transition through forms which hang their pupae with a loop to forms which suspend their pupae by the tip of the abdomen only.

9 FEB. 1883.—The 90th meeting was held at 19 Brattle Square, Cambridge, 9 Feb. 1883. In the absence of the President Mr. S: H. Scudder was chosen chairman. Six persons (five of whom were members) were present.

The Secretary read a letter from Mr. S: Henshaw, who regretted that he was not able to accept the office of Treasurer to which he had been elected at the last meeting. [Mr. B: P. Mann will remain acting Treasurer, therefore, until a new election is held.]

A proposition to hold a special meeting of the Club at Minneapolis, Minn., on the day

preceding the meeting of the American Association for the Advancement of Science, with other propositions in relation to the proposed meeting, was referred to the Executive Committee with full power to act, but with the recommendation that the Committee should correspond with Mr. J. A. Lintner, who has already been asked to call a meeting of entomologists at that time and place, so that there might be no interference with the meeting to be called by him.

Mr. Mann communicated (through the Secretary) some notes in regard to the arrangements necessary to be made for the issue of volume 4 of PSYCHE, and further remarks were made by the Secretary upon the same subject.

The following persons were elected to active membership: August F. Foerste,* of Dayton, Ohio; C: Diehl Zimmerman, of Buffalo, N. Y.; Capt. T. J. Mathews, of Grayville, Ill.; Theodor Pergande, of Washington, D. C.

Mr. G: Dimmock called attention to a paper by Dr. Hermann Henking, entitled, "Beiträge zur Anatomie, Entwicklungsgeschichte und Biologie von *Trombidium fuliginosum* Herm." (Zeitschrift f. wissensch. Zool., 1882, v. 37, p. 553-663, pl. 34-36), outlining briefly the scope of the paper, and especially noticing a method of coloration by an alcoholic borax-carmin solution, as described by Dr. Henking.

Mr. S: H. Scudder exhibited some plates from a paper on fossil neuroptera now in preparation, and a colored plate to illustrate the life-history of a species of *Retinia*, the pine-moth of Nantucket.

Mr. Roland Thaxter called attention to a species of *Nonagriva* which he had studied. The larva bores in rushes from which it probably emerges as pupa. The question of how the egg survives the winter in the flooded and frozen marshes brought out some discussion.

Mr. S: H. Scudder exhibited a large number of figures of fossil coleoptera from Florissant, Col.